| Exhibit R-2, RDT&E Budget Item Justification: PB 2013 The Joint Staff | | | | | | | | | | DATE: February 2012 | |

APPROPRIATION/BUDGET ACTIVITY
0400: *Research, Development, Test & Evaluation, Defense-Wide*
BA 4: *Advanced Component Development & Prototypes (ACD&P)*

R-1 ITEM NOMENCLATURE
PE 0604828J: *Joint FIRES Integration and Interoperability Team*

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	-	7.364	-	7.364	7.506	7.661	7.799	7.944	Continuing	Continuing
P857: *Joint Deployable Analysis Team*	-	-	7.364	-	7.364	7.506	7.661	7.799	7.944	Continuing	Continuing
Quantity of RDT&E Articles											

Note
In FY 2013 funds transfer to the Joint Staff. For FY 2012 and previous, refer to PE 0604828D8Z.

A. Mission Description and Budget Item Justification

Employ scientific methods to research, investigate, test, assess, and evaluate current and emergent Joint command and control (C2) information systems and associated procedures. These activities measure capabilities and limitations, identify shortfalls and root cause, recommend and verify solutions, and validate joint capabilities. The resultant empirical outcomes influence Joint Capability development in areas such as Joint Tactics, Techniques and Procedures; integration of capabilities; and digital interoperability. JDAT provides decision-quality data and cogent solutions to customers and stakeholders responsible for improving Joint C2 information systems integration and interoperability to inform acquisition decisions and ensure that Services and Agencies field interdependent and interoperable systems.

The emphasis of JDAT assessment efforts is the evaluation of C2 Information Systems and procedures to provide Services and Agencies findings and recommendations based on quantifiable data in order to improve Joint C2 integration and interoperability. JDAT collects and analyzes data and provides observations, findings, conclusions, and recommendations to identify Joint doctrine, tactics, techniques, and procedures (TTP) and material solutions and products that promote capability improvement. Evaluations range from small, single-focus events to large, multi event/venue exercises.

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B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	7.364	-	7.364
Total Adjustments	-	-	7.364	-	7.364
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Transfer to the Joint Staff	-	-	7.364	-	7.364

Change Summary Explanation

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C. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Title: Joint Deployable Analysis Team (JDAT) - Command and Control (C2) Information Systems and Procedures Capability Assessments	-	-	7.364

Description: JDAT conducts assessments in conjunction with Service and Combatant Command (COCOM) exercises, experiments, and test & evaluation events.

The primary outputs and efficiencies include:
- Improvement in the Services' ability to employ Joint C2 information systems
- Recommendations for system integration and interoperability
- Ability to include Joint context during new system acquisition or development
- Development of related Universal Joint Tasks (UJT) and Additional Task Detail (ATD)
- Updates and revisions to doctrine, TTP, and other Joint publications
- Development and refinement of analytical tools (i.e. Data Collection Architecture for Analytical Feedback (DCAAF), Joint Windows-based Warfare Assessment Model (JWinWAM))
- Recommended solutions integrated within the Joint Staff Joint Capabilities Integration Development System (JCIDS) and OSD Joint C2 Capability Portfolio Manager (JC2 CPM) processes
- Identification of specific key performance parameters (KPPs) and key system attributes (KSAs) for new systems that meet Joint warfighter operational requirements to ensure Services and Agencies field interdependent and interoperable systems
- Increased effectiveness and confidence in combat identification and a reduction in fratricide

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C. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
- Increased effectiveness and confidence in C2 information systems and procedures. ***FY 2013 Plans:*** - Provide analytical support to a Military Utility Assessment of coalition and U.S. C2 information systems and procedures at Bold Quest 13. Provide instrumentation, data collection, data capture, real-time mission monitoring, and feedback to participants via daily debriefings. Benefits will include improved ability to assess various participating coalition and US systems, improved joint task execution, and an effective Military Utility Assessment of US C2 information systems while greatly reducing the timeline required to provide fact-based recommendations. - Assist Commander, Operational Test and Evaluation Force (COMOPTEVFOR) with Identification Friend or Foe (IFF) Mode 5 Level 1 Joint Operational Test Approach (JOTA) analysis to validate integration and interoperability of fielded systems. Develop data collection and analysis methodologies, design and implement data collection architectures and conduct analysis requisite to meet JOTA objectives. Determine any gaps or shortfalls in integration and interoperability of Mode 5 systems. Provide Service Operational Test Agencies and Program Managers with fact-based findings. - Provide analytical support to assess technology integration and interoperability during JIAMDO Joint Tactical Air Picture assessment event. Provide data collection, analysis and display using JDAT developed tools. Benefits will include improvements in a Joint Common Operational Picture to battlespace managers. - Team with U.S. Army Test and Evaluation Command to conduct a DOT&E interoperability assessment for EUCOM during Austere Challenge 2013. Provide data collection, analysis and display using JDAT developed tools. Benefits will include improvements in a Joint Common Operational Picture to COCOM Air Operations Center. - Provide C2 data collection and analytical support to the Joint Fires Support Executive Steering Committee. Lead Engineering Change Implementation Group. Conduct Digitally Aided Close Air Support (DACAS) Coordinated Implementation risk reduction assessments to validate service compliance with requisite Engineering Change Proposals. Benefits will include recommendations for Tactics, Techniques, and Procedures in the areas of standardization and digital interoperability and development of associated Universal Joint Tasks. - Chair the Joint Close Air Support Executive Steering Committee (JCAS ESC) chartered Digitally Aided Close Air Support (DACAS) Engineering Change Implementation Group. Plan and execute testing and validation of DACAS engineering change proposals and coordinate implementation across the Department of Defense and partner nations.			

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C. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
- Update Joint Windows-based Warfare Assessment Model (JWinWAM), Data Collection Architecture for Analytical Feedback (DCAAF) and Multi-Interface Gateway (MIG) software development to support JDAT assessment activities and the efforts of other government agencies as directed. - Define Universal Joint Task (UJT) Additional Task Detail (ATD) for tactical task TA 3.3.2 Control Tactical Airspace and refine ATD for TA 3.2.2 Conduct Close Air Support (CAS) and TA 3.2.1 Conduct Joint Fires. - Provide subject matter expertise and tier 2 architecture products on development of the Joint Close Air Support (CAS) Joint Mission Thread (JMT) and Joint Fires JMT.			
Accomplishments/Planned Programs Subtotals	-	-	7.364

D. Other Program Funding Summary ($ in Millions)

  N/A

E. Acquisition Strategy

  Not applicable for this item.

F. Performance Metrics

  JDAT delivers Joint solutions for tactical forces deployed to Combatant Commands (COCOMs). Deliverables may include: discrete improvements to training processes; doctrine; Tactics, Techniques, & Procedures (TTPs); and/or technical system performance specifications and standards; validated Doctrine, Organization, Training, Material, Leadership, Personnel, Facilities (DOTMLPF) recommendations; timely delivery of quality feedback to exercise participants; or improvements to Joint context of a training venue. JDAT works with Joint Staff, Services and COCOMs to approve the annual agenda of work and validate results.